

APPARATUS AND METHODS FOR OFF-PUMP CARDIAC SURGERY

ABSTRACT OF THE DISCLOSURE

The invention provides an apparatus for performing surgery on a heart of a
5 patient comprising a first arm, a second arm and an actuator, the actuator moving the
first arm relative to the second arm. The apparatus further includes a first blade on the
first arm and a second blade on the second arm, the first and second blades having
first and second surfaces facing away from each other, the first and second surfaces
being adapted to atraumatically engage tissue or bone for the retraction thereof. The
10 apparatus also includes a stabilizer adapted to be mounted to one of the first and
second arms and having a foot, the foot being configured to atraumatically engage the
surface of the heart. In a various embodiments, the apparatus includes removable
blades mounted to the arms, suture stays removably mounted to the arms, and multiple
rails for mounting the stabilizer in various positions.

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